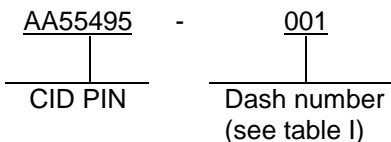


COMMERCIAL ITEM DESCRIPTION

FUSE CARTRIDGE, SEMICONDUCTOR TYPE, 500 VOLTS

The General Services Administration has authorized the use of this commercial item description (CID) for all federal agencies.

1. **SCOPE.** This CID covers the general requirements for 500 volt semiconductor type fuse cartridges. Fuse cartridges covered by this CID are intended for commercial/industrial applications.
2. **CLASSIFICATION.** This CID uses a classification system which is included in the Part Identification Number (PIN) as shown in the following example (see 7.1).

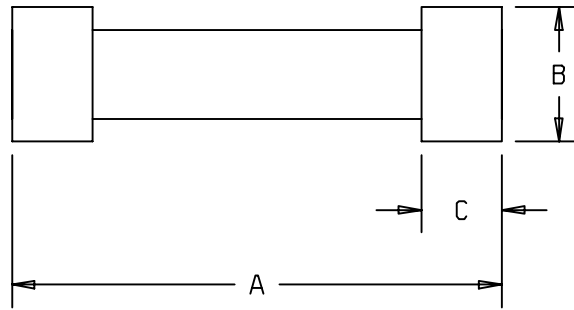


3. SALIENT CHARACTERISTICS.

- 3.1 Interface and physical dimensions. Fuse cartridges supplied to this CID shall be as specified herein (see figure 1).
- 3.2 Ampere rating. The ampere rating shall be as specified in table I.
- 3.3 Voltage rating. The voltage rating shall be 500 V ac maximum.
- 3.4 Short circuit interrupt rating. The short circuit interrupt shall be 200,000 amperes root mean square (RMS) symmetrical.
- 3.5 Maximum current clearing I^2t . The maximum current clearing I^2t shall be as specified in table I.
- 3.6 Marking. Fuse cartridges supplied to this CID shall be marked with the manufacturer's standard commercial PIN.

Beneficial comments recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be addressed to: Defense Supply Center, Columbus, ATTN: DSCC-VAT, Post Office Box 3990, Columbus, OH 43213-1199, or telephone (614) 692-0548, or facsimile (FAX) (614) 692-6939.

A-A-55495B



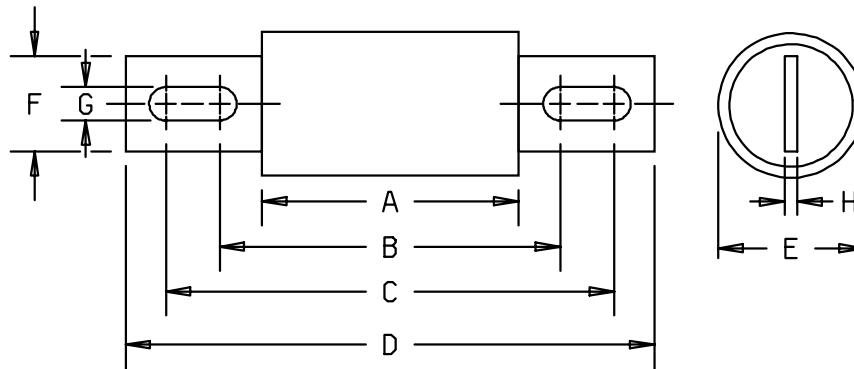
AA55495-	Dimensions		
	A	B	C
001 through 006	2.00 (50.80)	.563 (14.30)	.505 (12.70)

Configuration I

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is ± 0.13 mm (0.005 inch).

FIGURE 1. Configuration and dimensions.



AA55495-	Dimensions							
	A	B	C	D	E	F	G	H
007 through 011	1.630 (41.41) 1.557 (39.55)	2.251 (57.18)	2.600 (66.03) 2.495 (63.37)	3.188 (80.98)	.813 (20.65) .768 (19.5)	.780 (19.8) .621 (15.77)	.343 (8.72)	.126 (3.19)
012 through 014	2.124 (53.95)	2.833 (71.96) 2.684 (68.17)	3.037 (77.13) 2.932 (74.48)	3.626 (92.09)	1.0 (25.40)	.751 (19.08)	.348 (8.83) .307 (7.81)	.126 (3.19)
015 through 017	2.131 (54.13) 2.089 (53.07)	2.833 (71.96) 2.745 (69.72)	2.934 (74.52)	3.626 (92.09)	1.220 (30.98)	1.005 (25.53) .745 (18.92)	.348 (8.83) .306 (7.77)	.188 (4.78)
018 through 021	2.094 (53.19)	2.786 (70.77) 2.774 (70.47)	3.442 (87.43)	4.343 (110.32)	1.5 (38.10)	1.0 (25.40)	.406 (10.31)	.251 (6.38)
022 through 023	2.226 (56.53) 2.089 (53.07)	3.036 (77.12) 2.774 (70.47)	3.531 (89.70)	4.474 (113.64) 4.337 (110.17)	2.0 (50.80)	1.5 (38.10)	.406 (10.31)	.251 (6.38)
024	2.226 (56.53) 2.089 (53.07)	4.320 (109.73) 3.432 (87.17)	4.974 (126.33) 4.620 (117.35)	6.474 (164.44) 6.337 (160.97)	2.5 (63.50) 2.38 (60.5)	2.0 (50.80)	.531 (13.50)	.375 (9.52)

Configuration II

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is ± 0.005 inch (0.13 mm).

FIGURE 2. Configuration and dimensions.

TABLE I. Electrical characteristics.

AA55495-	Ampere rating	I_t^2 (A ² s)	AA55495-	Ampere rating	I_t^2 (A ² s)
001	5	100	013	80	5,000
002	10	200	014	100	7,500
003	15	250	015	125	10,600
004	20	300	016	150	16,000
005	25	350	017	200	28,000
006	30	400	018	250	50,000
007	35	2,000	019	300	60,000
008	40	2,250	020	350	80,000
009	45	2,500	021	400	120,000
010	50	2,750	022	500	190,000
011	60	3,000	023	600	300,000
012	70	4,000	024	800	600,000

4. **REGULATORY REQUIREMENTS.** The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. PRODUCT CONFORMANCE PROVISIONS

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Market acceptance. The following market acceptance criteria are necessary to document the quality of the product to be provided under this CID:

- a. The company producing the item must have been producing a product meeting the requirements of this CID for at least 2 years.
- b. The company must have sold 1,000 units meeting this CID in the commercial marketplace over the past 2 years.

6. **PACKAGING.** Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES.

7.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

7.2 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these fuse cartridges to DSCC under the Military Parts control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.3 Ordering data. The contract or order should specify the following:

- a. CID document number, revision, and CID PIN.
- b. Product conformance provisions.
- c. Packaging requirements.

7.4 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

<u>MFR's CAGE</u>	<u>MFR's name and address</u>
067U2	Den Mar Transit Industrial Fuses 10488 S. W. 211 Street Miami, FL 33189-3000 (305) 235-1000
12092	Carbone Lorraine, Incorporated 14 Eastmans Road Parsippany, NJ 07054-3703 Phone number: (973) 503-0600 Facsimile number: (973) 503-0335 E-mail: 104471.13@compuserve.com Uniform Resource Locator (URL): www.carbonelorraine.com
71400	Bussmann Cooper, Incorporated P. O. Box 14460 St. Louis, MO 63178-4460 Phone number: (636) 394-2877 Facsimile number: (800) 544-2570 E-mail: fusebox@buss.com URL: www.bussmann.com
75915	Littelfuse Incorporated 800 E. Northwest Highway Des Plaines, IL 60016-3096 Phone number: (847) 824-1188 Facsimile number: (847) 391-0894 E-mail: electronics@littelfuse.com URL: www.littelfuse.com

7.5 Part number (P/N) supersession data. This CID supersedes the following manufacturers' P/N's as shown. This information is being provided to assist in reducing proliferation in the government inventory system.

CID dash number (see table I) AA55495-	Vendor commercial PIN CAGE 067U2	Vendor commercial PIN CAGE 12092	Vendor commercial PIN CAGE 71424	Vendor commercial PIN CAGE 71400	Vendor commercial PIN CAGE 75915
001	UFR50P005	A050F005	---	FWH 5A14F	---
002	UFR50P010	A050F010	A50P10-1	FWH 10A14F	L50S10
003	UFR50P015	A050F015	A50P15-1	FWH 15A14F	L50S15
004	UFR50P020	A050F020	A50P20-1	FWH 20A14F	L50S20
005	UFR50P025	A050F025	A50P25-1	FWH 25A14F	L50S25
006	UFR50P030	A050F030	A50P30-1	FWH 30A14F	L50S30
007	UFR50P035	A050F035	A50P35-4	FWH 35A	L50S35
008	UFR50P040	A050F040	A50P40-4	FWH 40A	L50S40
009	UFR50P045	A050F045	A50P45-4	FWH 45A	L50S45
010	UFR50P050	A050F050	A50P50-4	FWH 50A	L50S50
011	UFR50P060	A050F060	A50P60-4	FWH 60A	L50S60
012	UFR50P070	A050F070	A50P70-4	FWH 70A	L50S70
013	UFR50P080	A050F080	A50P80-4	FWH 80A	L50S80
014	UFR50P100	A050F100	A50P100-4	FWH 100A	L50S100
015	UFR50P125	A050F125	A50P125-4	FWH 125A	L50S125
016	UFR50P150	A050F150	A50P150-4	FWH 150A	L50S150
017	UFR50P200	A050F200	A50P200-4	FWH 200A	L50S200
018	UFR50P250	A050F250	A50P250-4	FWH 250A	L50S250
019	UFR50P300	A050F300	A50P300-4	FWH 300A	L50S300
020	UFR50P350	A050F350	A50P350-4	FWH 350A	L50S350
021	UFR50P400	A050F400	A50P400-4	FWH 400A	L50S400
022	UFR50P500	A050F500	A50P500-4	FWH 500A	L50S500
023	UFR50P600	A050F600	A50P600-4	FWH 600A	L50S600
024	UFR50P800	A050F800	A50P800-4	FWH 800A	L50S800

- 1/ The manufacturer's P/N shall not be used for procurement to the requirements of this CID. At the time of preparation of this CID, the aforementioned commercial products were reviewed and could be replaced by the CID PIN shown. For actual part marking requirements see 3.6.

7.6 Government users. To acquire information on obtaining these fuses from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CSBB, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7625.

7.6.1 National stock number (NSN). The following is a list of NSN's assigned which correspond to this CID. The list is for information only and may not be indicative of all possible NSN's associated with the CID. For up to date information on assigned NSN's, please contact the aforementioned DSCC office (See 7.6).

TABLE III. NSN's.

Dash number (see table I) AA55495-	NSN	Dash number (see table I) AA55495-	NSN
001	N/A	013	5920-00-435-1938
002	5920-01-191-9846	014	5920-00-422-0139
003	N/A	015	5920-00-396-8339
004	5920-00-174-1121	016	5920-00-421-5655
005	5920-01-191-9847	017	5920-00-762-0620
006	5920-01-150-3498	018	5920-00-237-0995
007	5920-01-118-9136	019	5920-01-012-6202
008	N/A	020	5920-00-435-1936
009	N/A	021	5920-00-458-6388
010	5920-01-182-4739	022	5920-00-162-1041
011	5920-00-038-6892	023	5920-00-241-6802
012	N/A	024	5920-01-029-6991

MILITARY INTERESTS:

Custodians:
Navy - EC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA-CC

Project 5920-0693